

INTERACTIVE DATA SYSTEMS
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a KDI corporation affiliate

C

ANOTHER **Datamation** READER INQUIRY
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BOX 3
SCHOOLEYS MOUNTAIN
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PROD

**LET THE
DC-16...**

TAKE A LOAD OFF YOUR SMALL COM

Let your computer compute. With the IDS DC-16.

The disc controller that takes the storage out of core and puts it in a 2311 or single spindle 2314 compatible disc drive. Where it belongs.

The DC-16 interfaces 2311 or single spindle 2314 compatible disc drives to your 16 bit computer.

To anyone's 16 bit computer. Sorts out overhead.

Interprets and acts upon commands from the CPU.

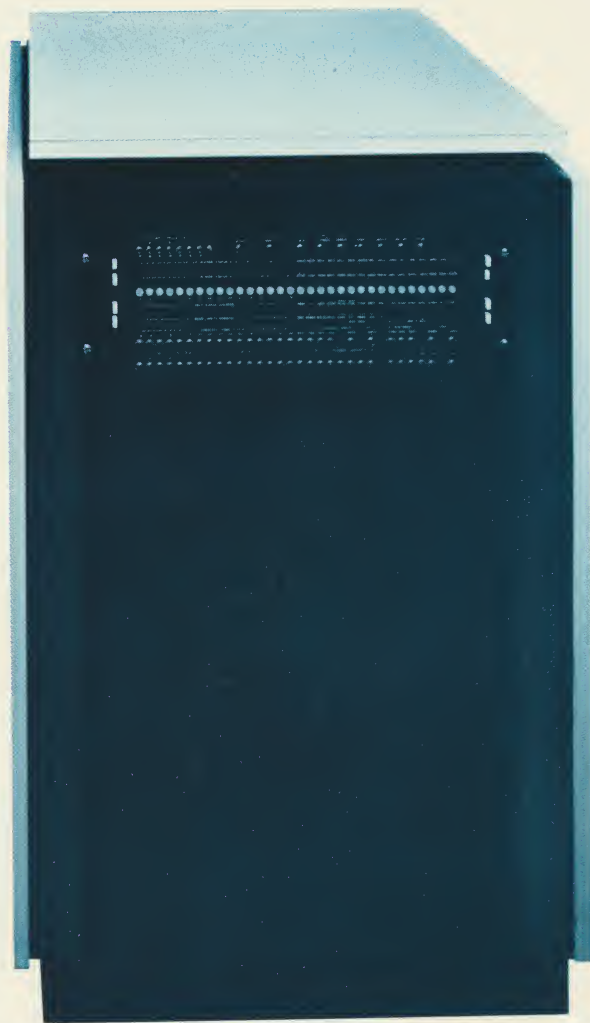
Performs all clerical functions. Frees core capacity to give you maximum memory from a mini-computer.

A built-in monitor overrides status of the disc drive. Relays condition of disc to CPU for action. Buffering and signal timing for all data transfers take place in the DC-16.

Modular construction. You can add on as many as 8 drive interfaces.

Reliability. On-site repair is a snap. Every IC mounted on plug-in sockets. An optional maintenance panel reads out over 90% of the internal logic, plus off-line execution of all commands. Overflow is the drawback of a small core computer. Workload becomes too much for your memory. Overhead makes it worse. You can waste up to 40% of your on-line time.

Make every bit of your core count for more. By taking the overhead out of your computer, with the IDS DC-16.



features

- ❑ Interfaces up to 8 IBM 2311 or Single Spindle 2314 compatible disc drives to the 16 bit type of processor.
- ❑ Simultaneous Seek Operations.
- ❑ Easy to Program (only 8 commands).
- ❑ Track location verified by hardware.
- ❑ All data transfers checked for errors by hardware.
- ❑ Extensive maintenance features.
- ❑ Many subsystem status conditions monitored by hardware.
- ❑ Low core requirements for programs.
- ❑ Read or Write multiple records with a single command.
- ❑ High reliability through the use of only proven components and extensive testing.
- ❑ Direct transfer to or from memory for data, eliminating blocking I/O channels.

description

The DC-16 is a sophisticated Disc Controller for interfacing the removable media 2311 and the Single Spindle 2314 compatible disc drive to 16 Bit size processors.

This Controller contains many features which simplify programming and increase subsystem efficiency.

All the functions that are normally performed by software are automatically accomplished by the hardware; such as:

- ❑ Record address verification
- ❑ Cyclic redundancy check code generation and verification
- ❑ Formatting of Record Headers
- ❑ Reading and writing multiple records with a single command
- ❑ Write Protect selectable by drive

The power for the disc drives is provided by the Controller.

specifications

	Single Density 2311 Type	Double Density 2314 (Single Spindle)
Bytes per record	256	256
Records per track	10	20
Bytes per track	2,560	5,120
Bytes per cylinder	25,600	102,400
Bytes per drive	5,196,000	20,787,200
Bytes for 8 drive system	41,574,400	166,197,600
Minimum transfer rate (bytes/sec) required of CP	160,000	320,000
Size	40" x 26" x 26"	40" x 26" x 26"
Controller		
Power	.5 KVA	.5 KVA
Drives	.6 KVA ea.	.6 KVA ea.
Operational Environment	0 – 50°C	0 – 50°C

DISC CONTROLLER



INTERACTIVE DATA SYSTEMS

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B U S I N E S S R

No Postage Stamp Necessary

INTERACTIVE DATA SYS
17785 Sky Park Circle Box
Irvine, California 92664

PLEASE SEND FURTHER INFORMATION ON THE:

- ☐ IDS-64 Communication Controller
- ☐ IDS-64/360 Front End
- ☐ IDS-DC16 Disc File System
- ☐ IDS-DC20 Disc Controller — 360/2314 Compatible

PLEASE INDICATE:

Equipment to be interfaced _____

COMMENTS:

Name _____

Company _____ Title _____

Street _____

City _____ State _____ Zip _____

Phone: Area _____ No. _____ Ext. _____